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(54) Title: METHOD FOR SELECTIVE INHIBITION OF HUMAN N-MYC GENE IN N-MYC EXPRESSING TUMORS
THROUGH ANTISENSE AND ANTIGEN PEPTIDO-NUCLEIC ACIDS (PNA)

(57) Abstract: The present invention refers to sense and antisense peptido-nucleic acids (PNAs). The present invention further
refers to the use of said PNAs for preparing drugs for treating genetic diseases.

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SUN LICHUN ET AL: "Antisense peptide nucleic acids conjugated to somatostatin analogs and targeted at the n-myc oncogene display enhanced cytotoxicity to human neuroblastoma IMR32 cells expressing somatostatin receptors" PEPTIDES (NEW YORK), vol. 23, no. 9, September 2002 (2002-09), pages 1557-1565, XP002322720 ISSN: 0196-9781	1-12
Y	the whole document * figure 1: DC-46-9, DC-44-79 and DC-46-3 targeting the 5'UTR terminus; JF-08-69 and JF-08-67 targeting the coding region close to the start site at position 1659-1670 * ----- -/-	2,7

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☐ Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DOYLE DONALD F ET AL: "Inhibition of gene expression inside cells by peptide nucleic acids: Effect of mRNA target sequence, mismatched bases, and PNA length" BIOCHEMISTRY, vol. 40, no. 1, 9 January 2000 (2000-01-09), pages 53-64, XP002187945 ISSN: 0006-2960 abstract	1-6,8-12
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Y	SIMMONS C G ET AL: "Synthesis and membrane permeability of pna-peptide conjugates" BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 7, no. 23, 2 December 1997 (1997-12-02), pages 3001-3006, XP004136573 ISSN: 0960-894X page 3001, last paragraph page 3002; table 1 -----	3-5
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